

Maneuver Area Land Improvements—Thinking Out of the Box

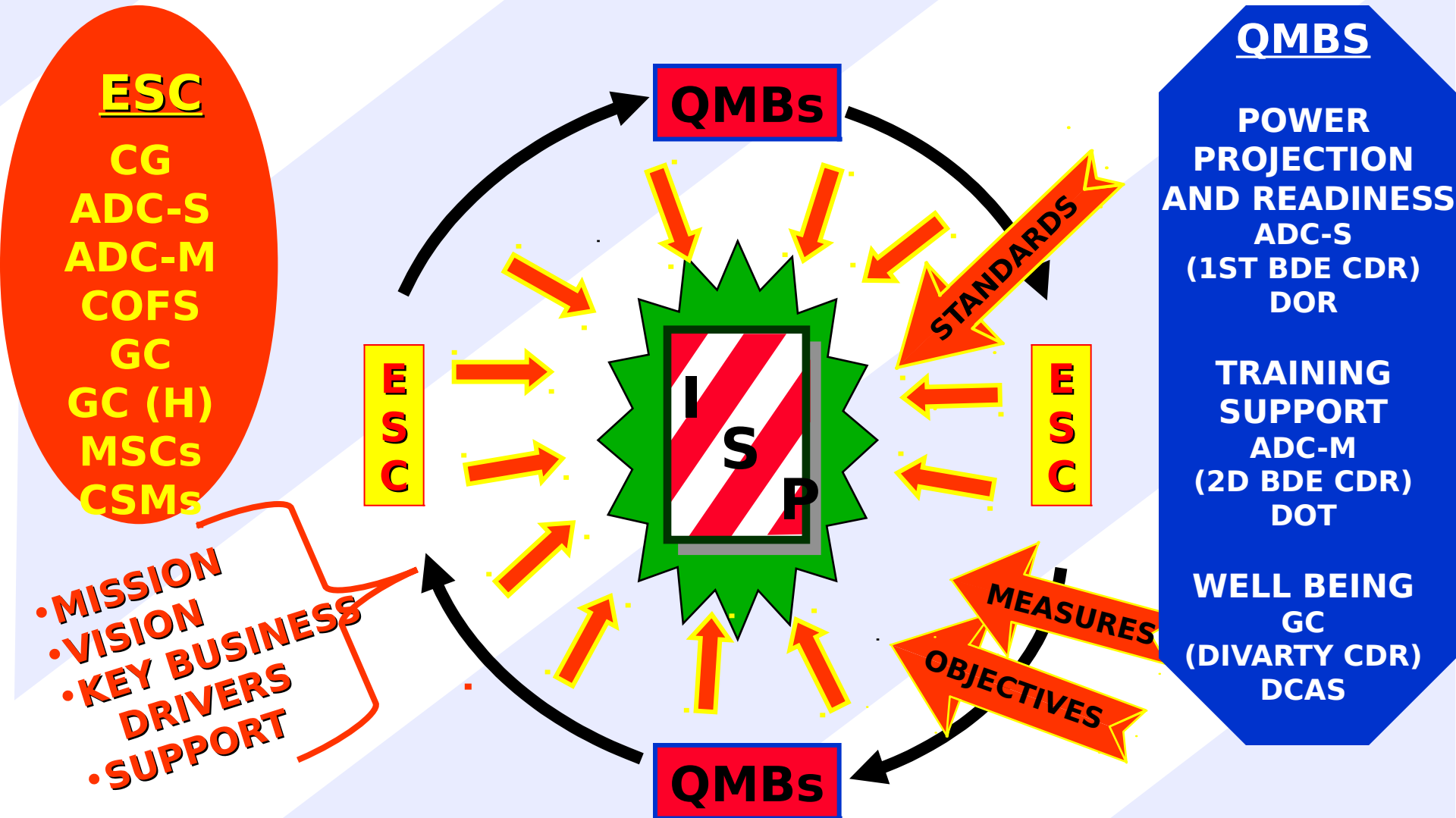


Drew C. Brown
ITAM Coordinator
Fort Stewart, GA



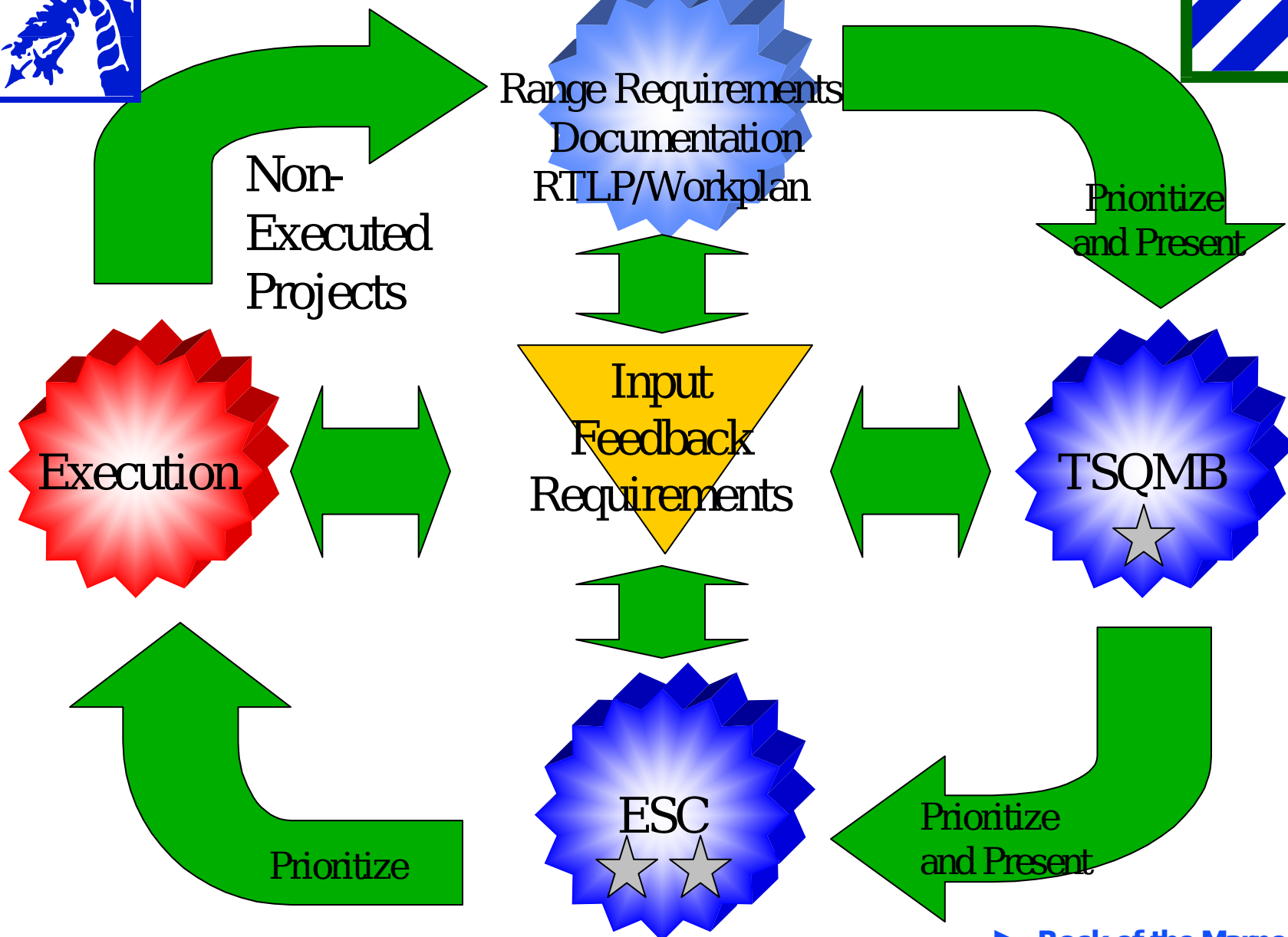
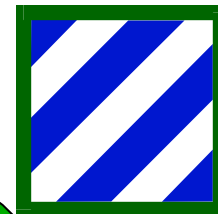
INSTALLATION STRATEGIC PLANNING

"WE DO IT RIGHT"





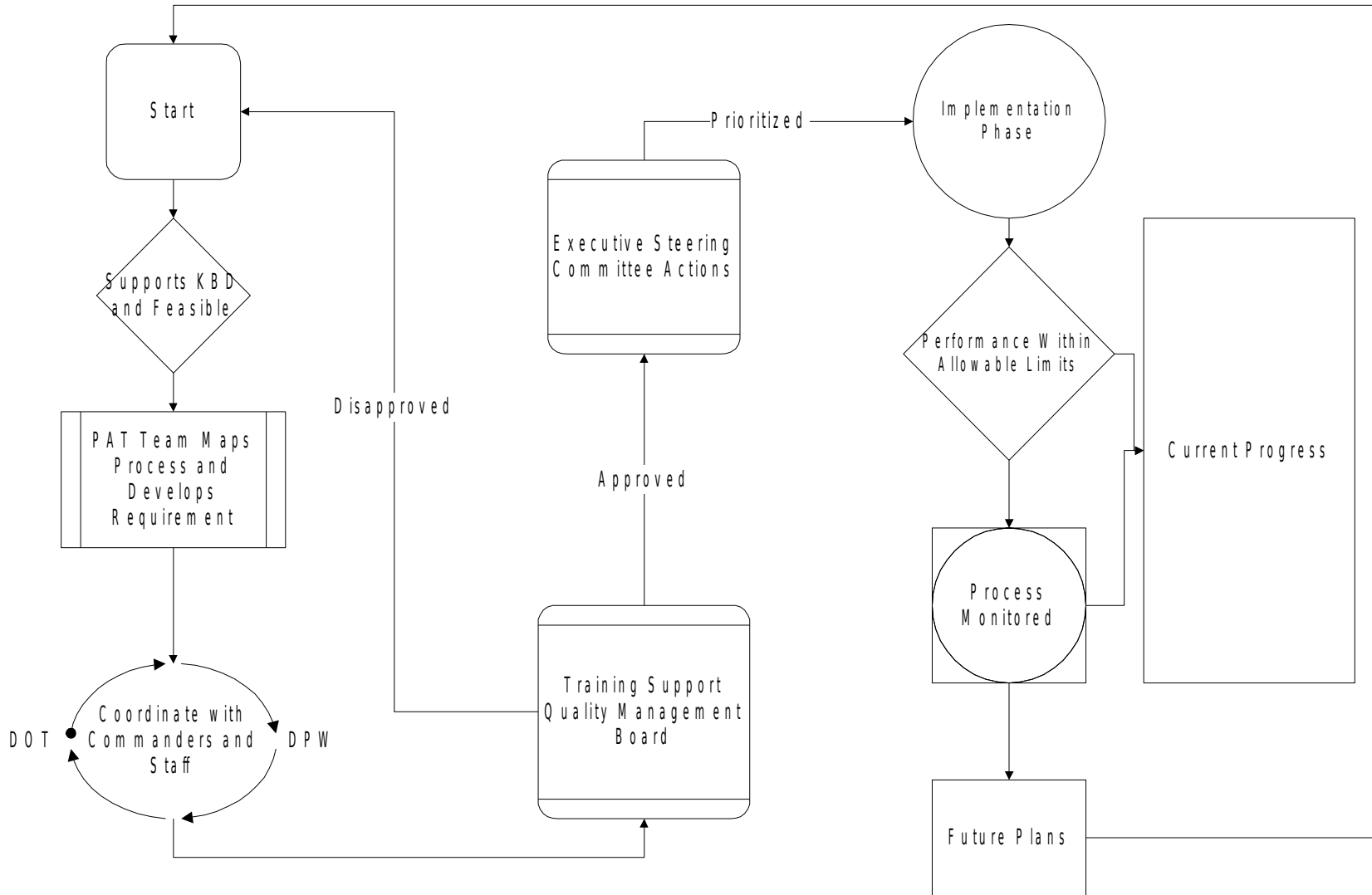
Range Project Flowchart





Planning and Execution

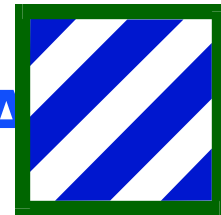
Process Management Improvement Model (PMIM)



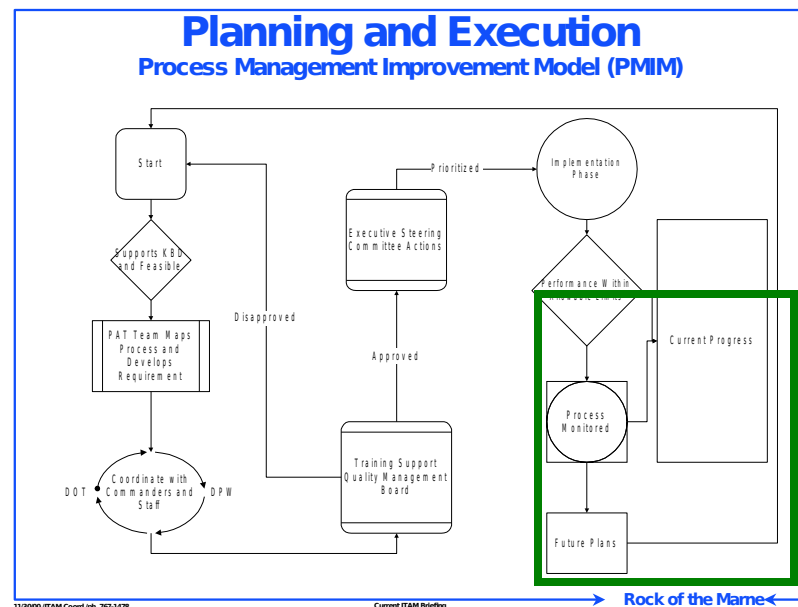


Case Study

Western Maneuver Area Program (WMA)



- **Identified Requirement: Increase Battalion Task Force Maneuver Capability**
- **PAT Team Formed**
 - Directorate of Training/ Range Division /Integrated Training Area Management Program
 - Natural Resources Conservation Services, United States Department of Agriculture
 - Directorate of Contracting
 - Environmental Natural Resource Division
 - » Fish and Wildlife Branch
 - » Forestry Branch
 - » Wetlands
 - » Cultural Resources
- **Supporting documents**
 - Requirements Contract
 - EA E & F Training Area Improvements (Clear-Cutting and Low Water Crossings)





Western Maneuver Area Program (WMAP)



- Multi-Year
- Multi-Sourced
- Multi-Phased
 - **Phase I (Being Constructed)**
 - **Phase II (Sited and Designed)**
 - **Phase III (To Be Sited)**
- Multi-Faceted
 - **DOT**
 - **DPW (ENRD/F&W/Forestry)**
 - **DOC**
 - **USDA/NRCS**
 - **Command Group**

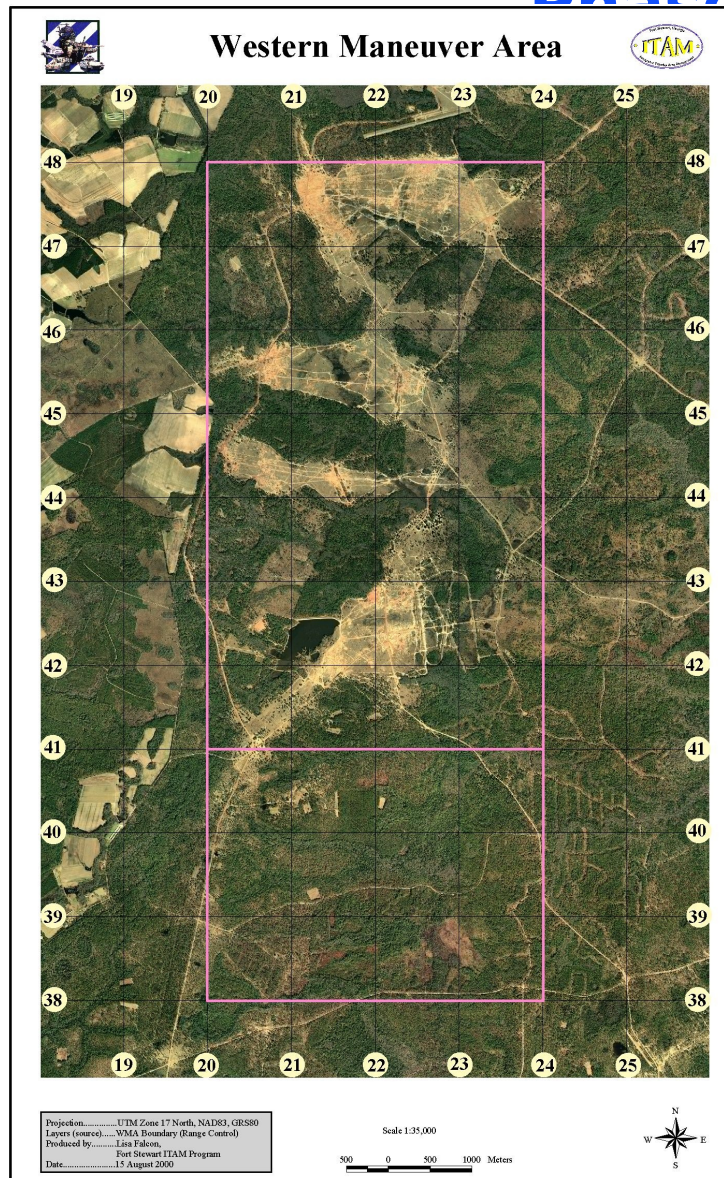
**A PROGRAM DESIGNED TO IMPROVE THE ECHO AND
FOXTROT TRAINING AREAS TO DEVELOP A SUSTAINABLE
ENVIRONMENT WHICH CAN SUPPORT REALISTIC
TRAINING**



Western Maneuver Area Program (WMA)



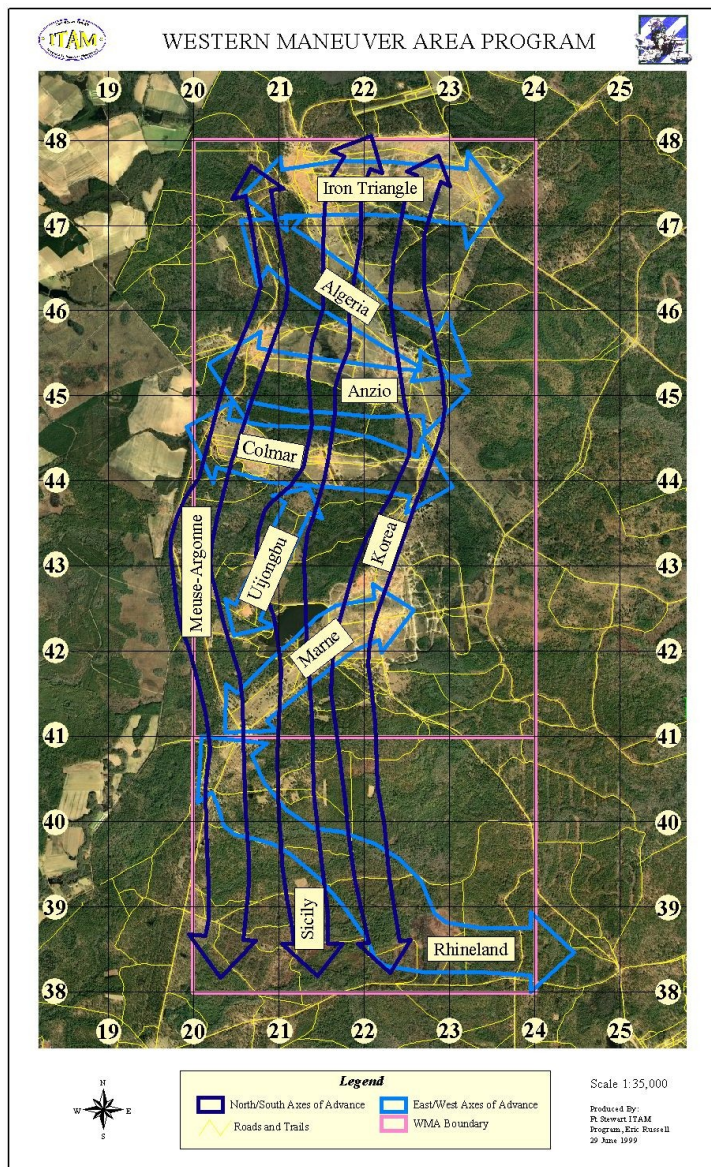
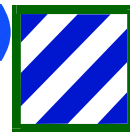
Phase I- Base Map



- Existing Maneuver Areas 1KM X 3KM orienting East-West
- Old Tank Ranges
- Separated by Wetlands of limited trafficability
- Many Challenges: Trafficability and Visibility



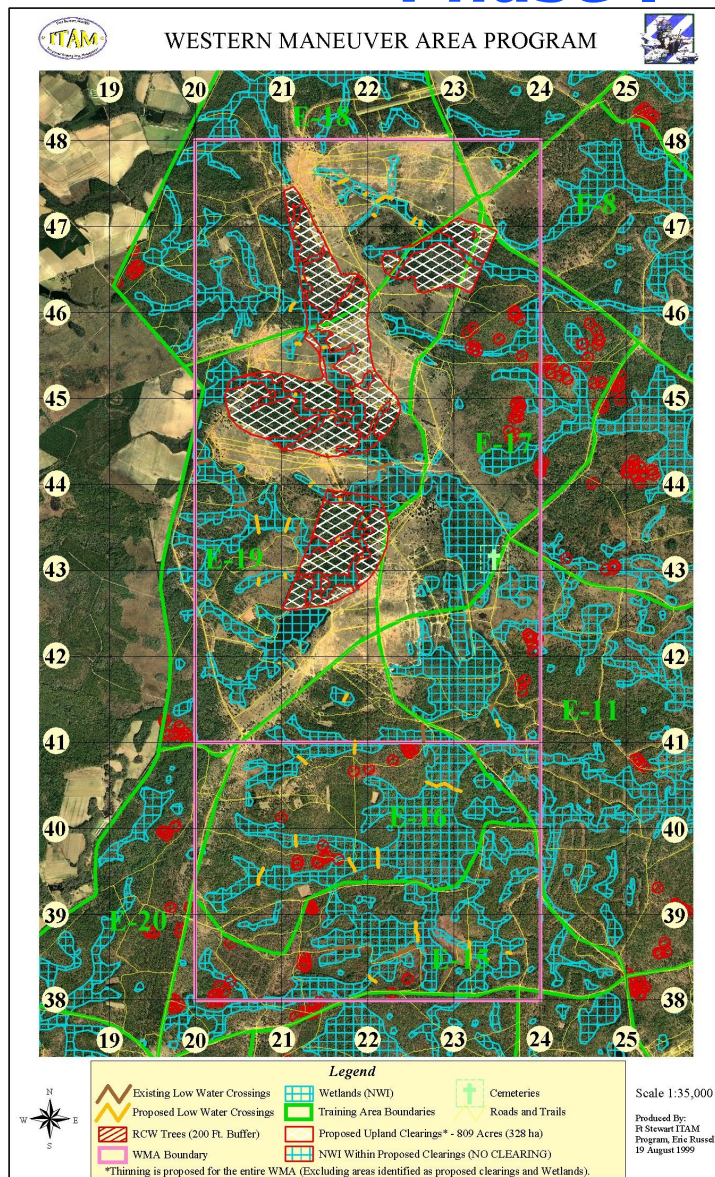
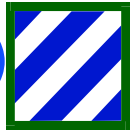
Western Maneuver Area Program (WMA) Phase I- Corridors With Names



- Three Main North-South Corridors
- Three East-West Corridors
- Three Transitional Corridors
- One Exit Corridor To Training Area vic Bethel Cemetery



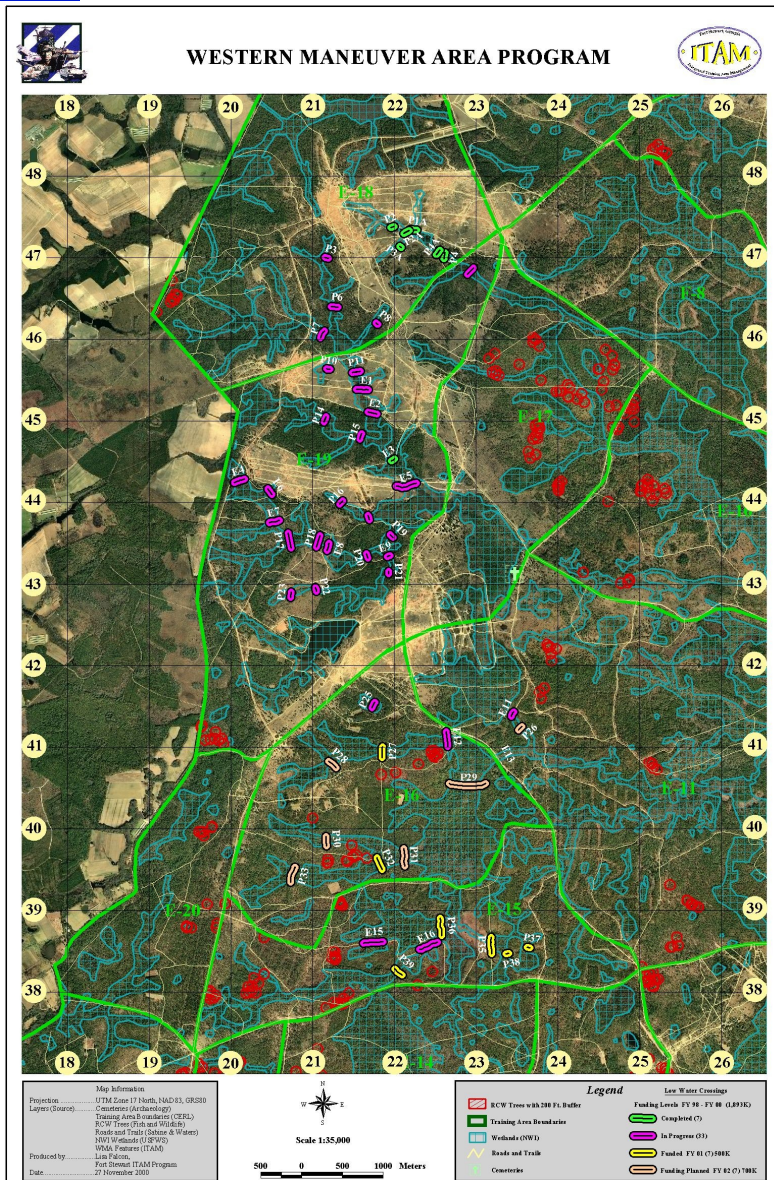
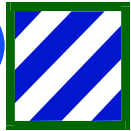
Western Maneuver Area Program (WMAP) Phase I- Timber Clearing



- Covered Under the EA
- Removal of Merchantable Timber From Approx 809 Acres
- Thinning to 50 sq. ft. Basal Area per Acre (BAA) of over 1500 Acres
- No Clear Cutting of Wetlands
- Erosion and Sediment Control Measures to be emplaced



Western Maneuver Area Program (WMAP) Phase I- Low Water Crossings



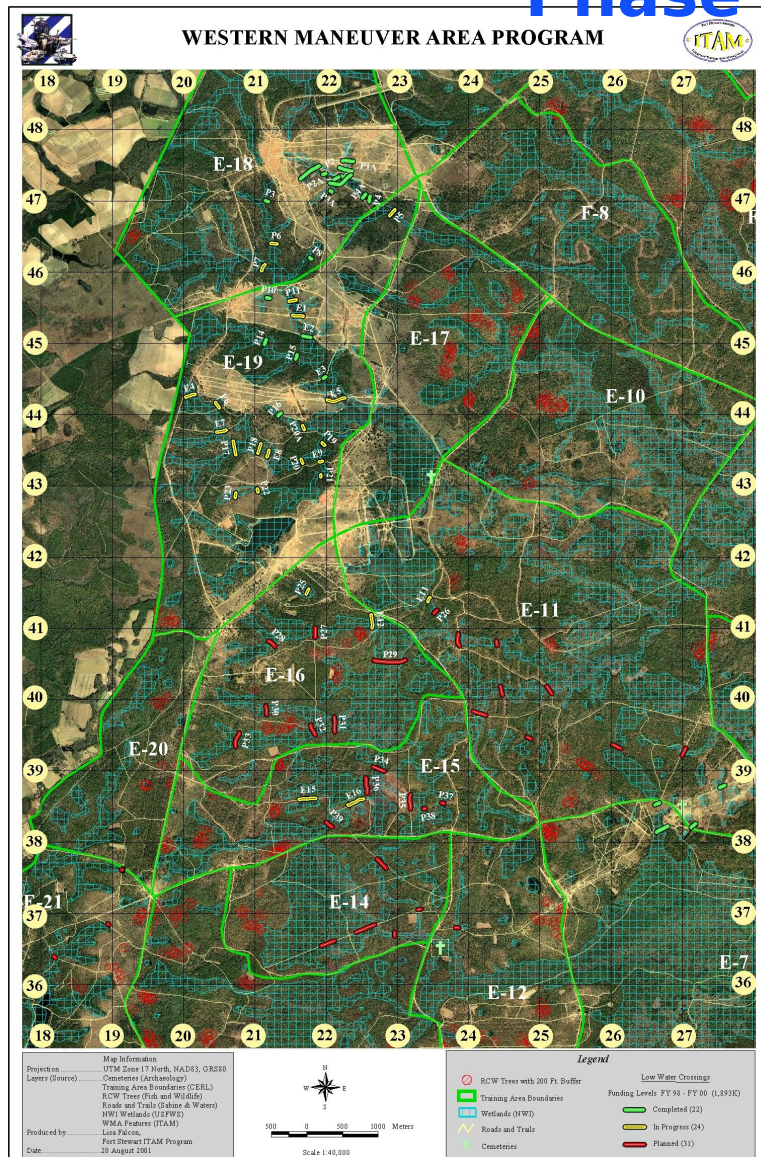
- 54 Low Water Crossings
- **Green:** 21 - Have Been Completed to Date
- **Purple:** 19 - Under Construction
- **Yellow:** 7 - To Be Funded FY-01 (Partial Phase II)
- **Beige:** 7 - To Be Funded FY-02 or FY 01 SAF (Partial Phase II)
- Funded by ITAM, OMA, and Year-end UFRs



Western Maneuver Area Program (WMAF)

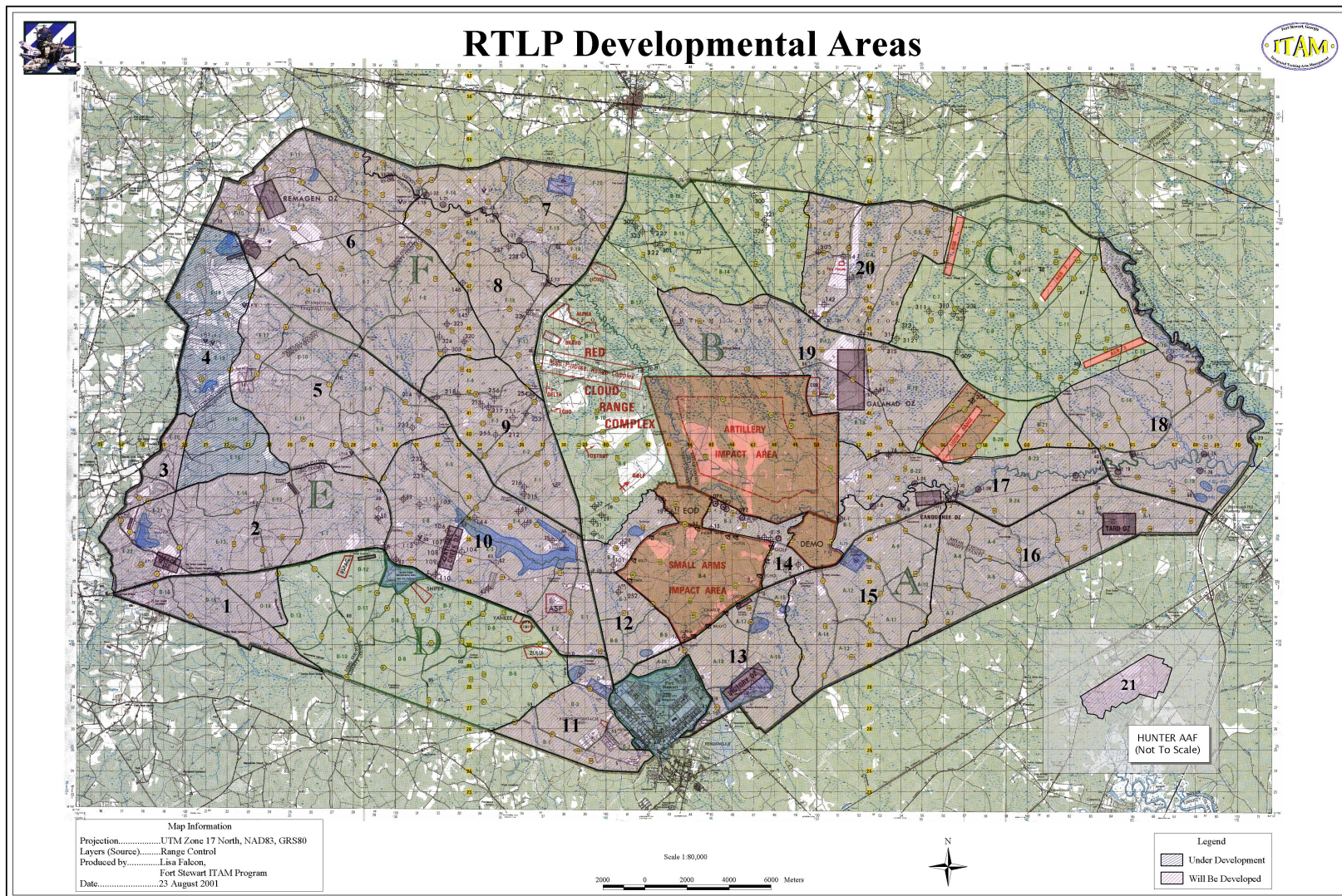


Phase II- Base Map



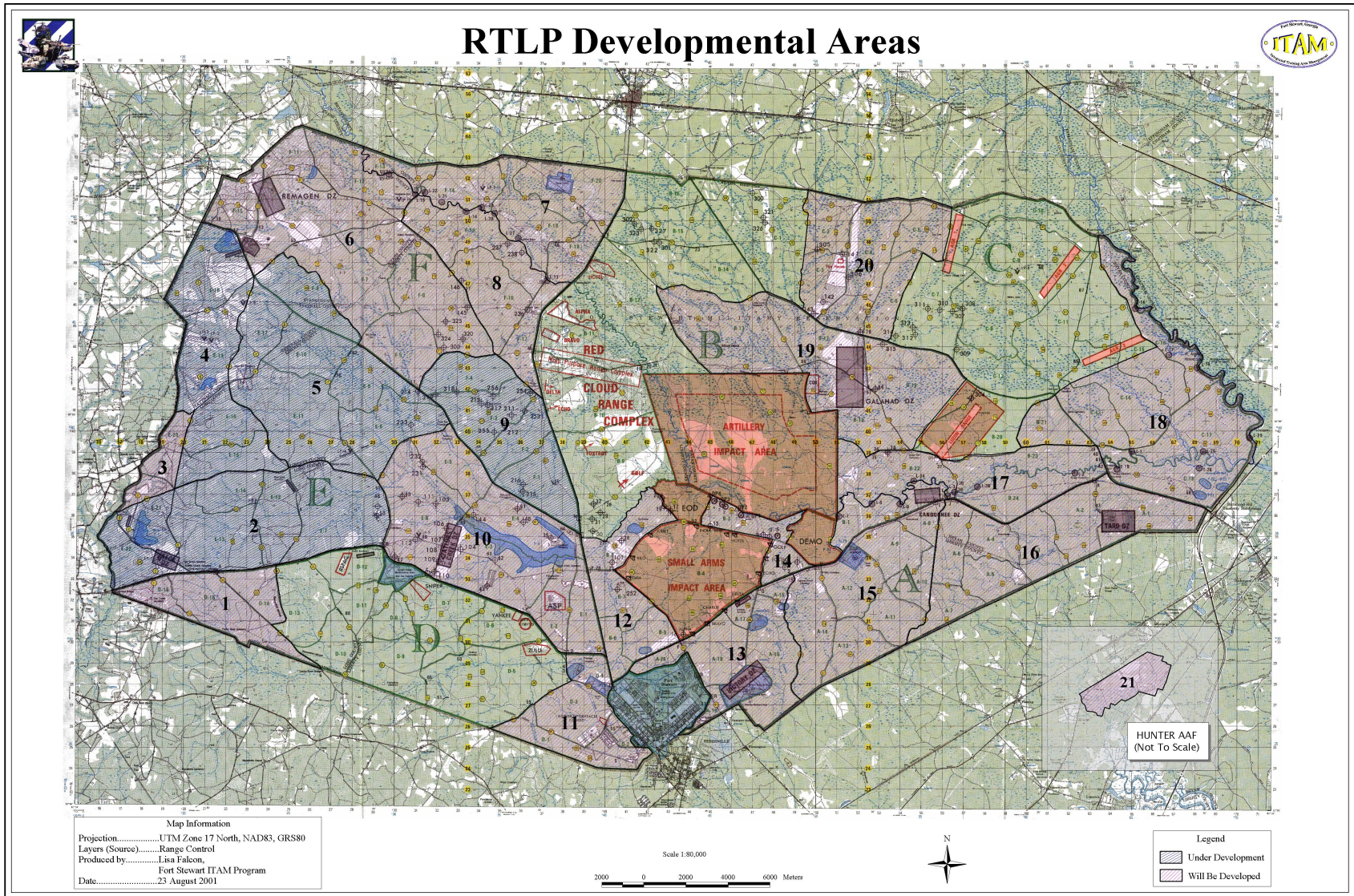
- Linking Phase I LWCings with Bethel LWCings to increase improved maneuver area to 57 KM²

Where We Were



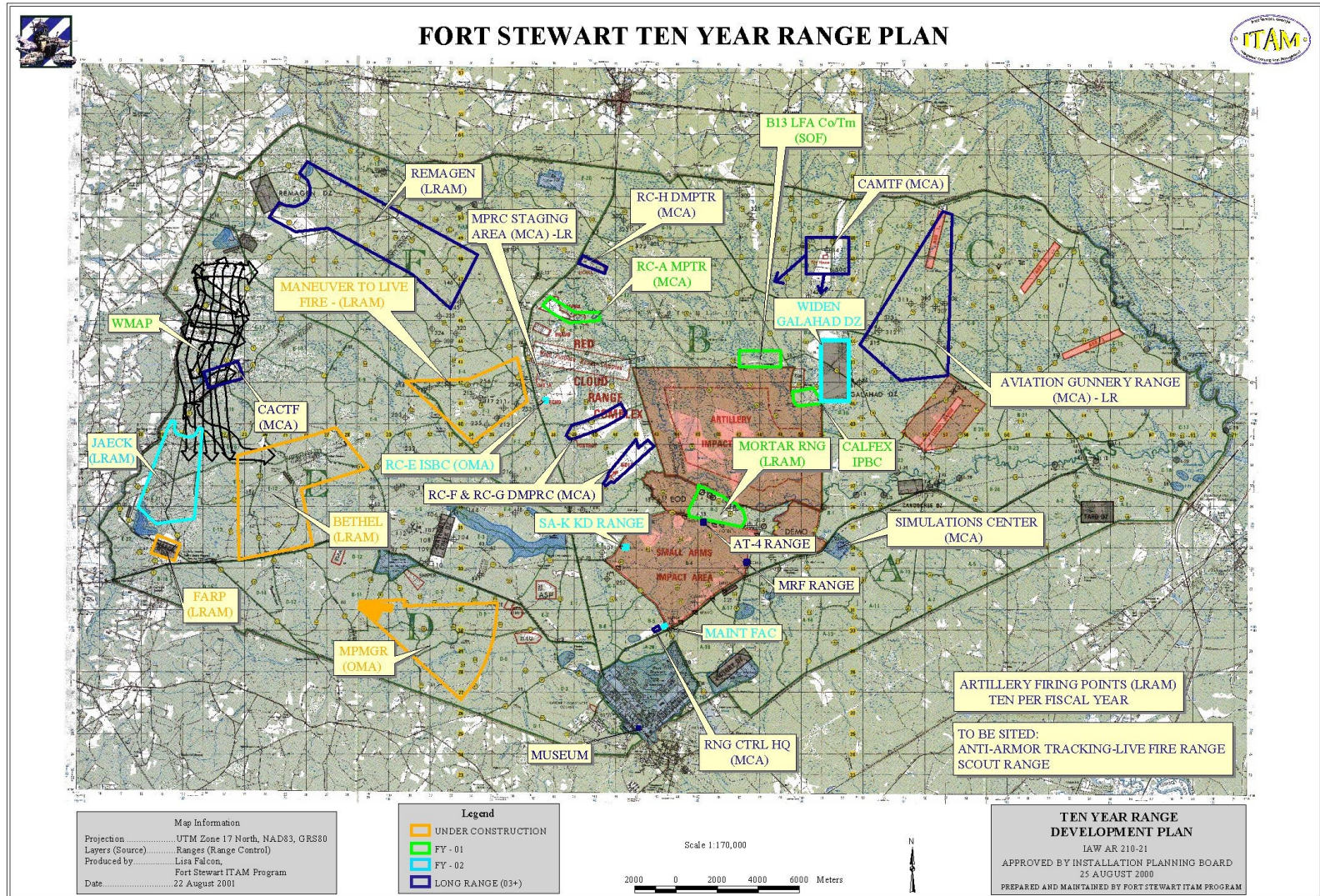


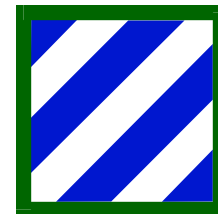
Where Do We Go From Here???





Can We Go Anywhere Else?





WHAT THE TRAINER SEES.....

MANEUVER
OBSTACLES

COVER

CONCEALMENT

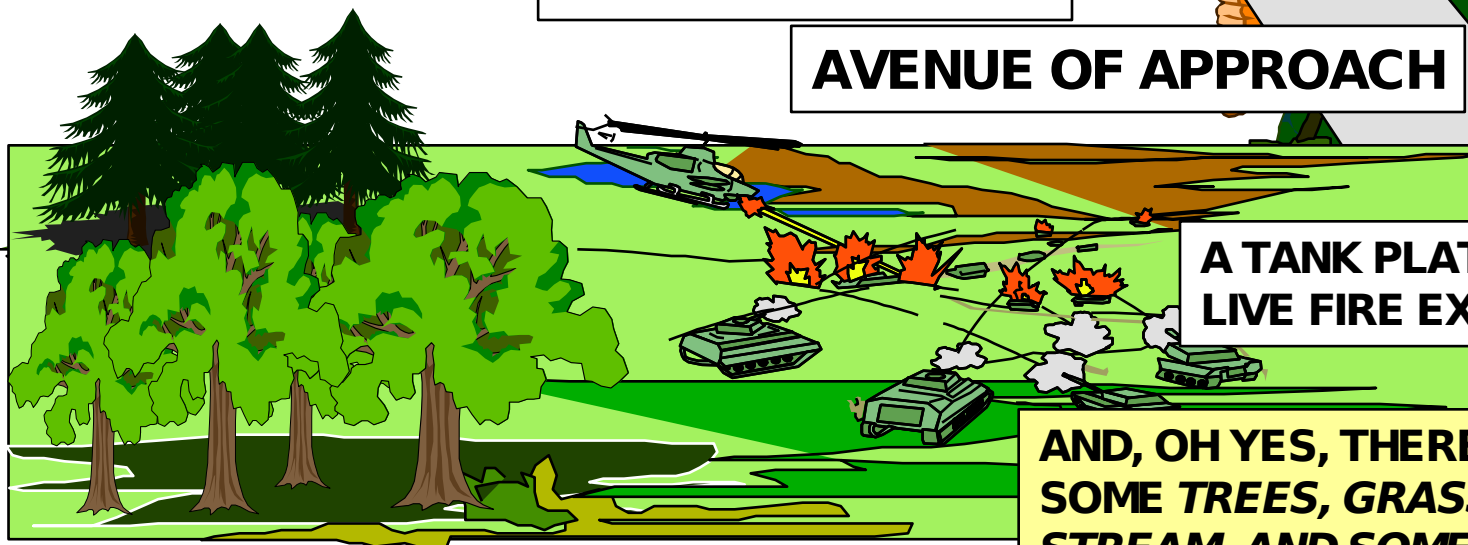
TRAINING FOR
COMBINED
ARMS OPERATIONS

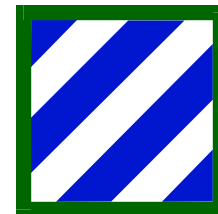
AXIS OF ADVANCE

AVENUE OF APPROACH

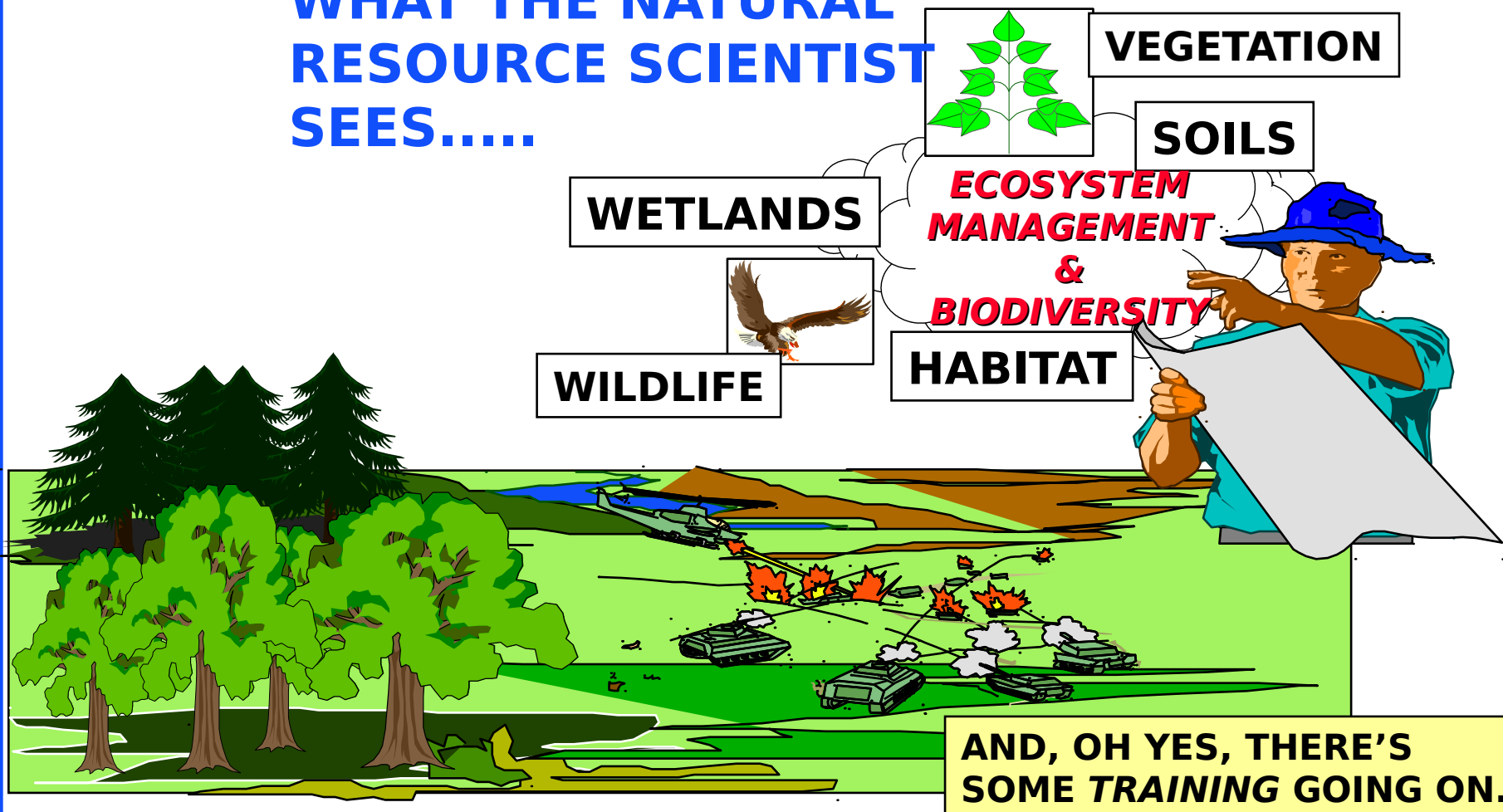
A TANK PLATOON
LIVE FIRE EXERCISE.

AND, OH YES, THERE'RE
SOME *TREES*, *GRASS*, A
STREAM AND SOME *HILLS*.





WHAT THE NATURAL RESOURCE SCIENTIST SEES.....



**AND, OH YES, THERE'S
SOME TRAINING GOING ON.**



Meeting the Challenges



- **FORESTRY**

- **Thin uplands to 50sq Ft. BAA (Henry Guidelines)**
- **Burning**
- **Selective clear-cutting**

- **TES**

- **Meet Henry Guidelines which are Optimum RCW Habitat.**
- **Protect Habitat**
- **Monitor progress towards established goals**

- **WETLANDS**

- **Create LWCings**
- **Wetland Bank**

- **Historic/Cultural Areas**
 - **Identify-Mark-Protect**

- **Range Division/ITAM**

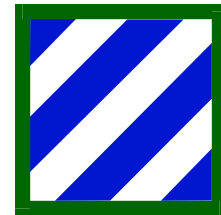
- **Regulations**
- **Operate within all guidelines**
- **Environmental Awareness & Seibert Stakes**





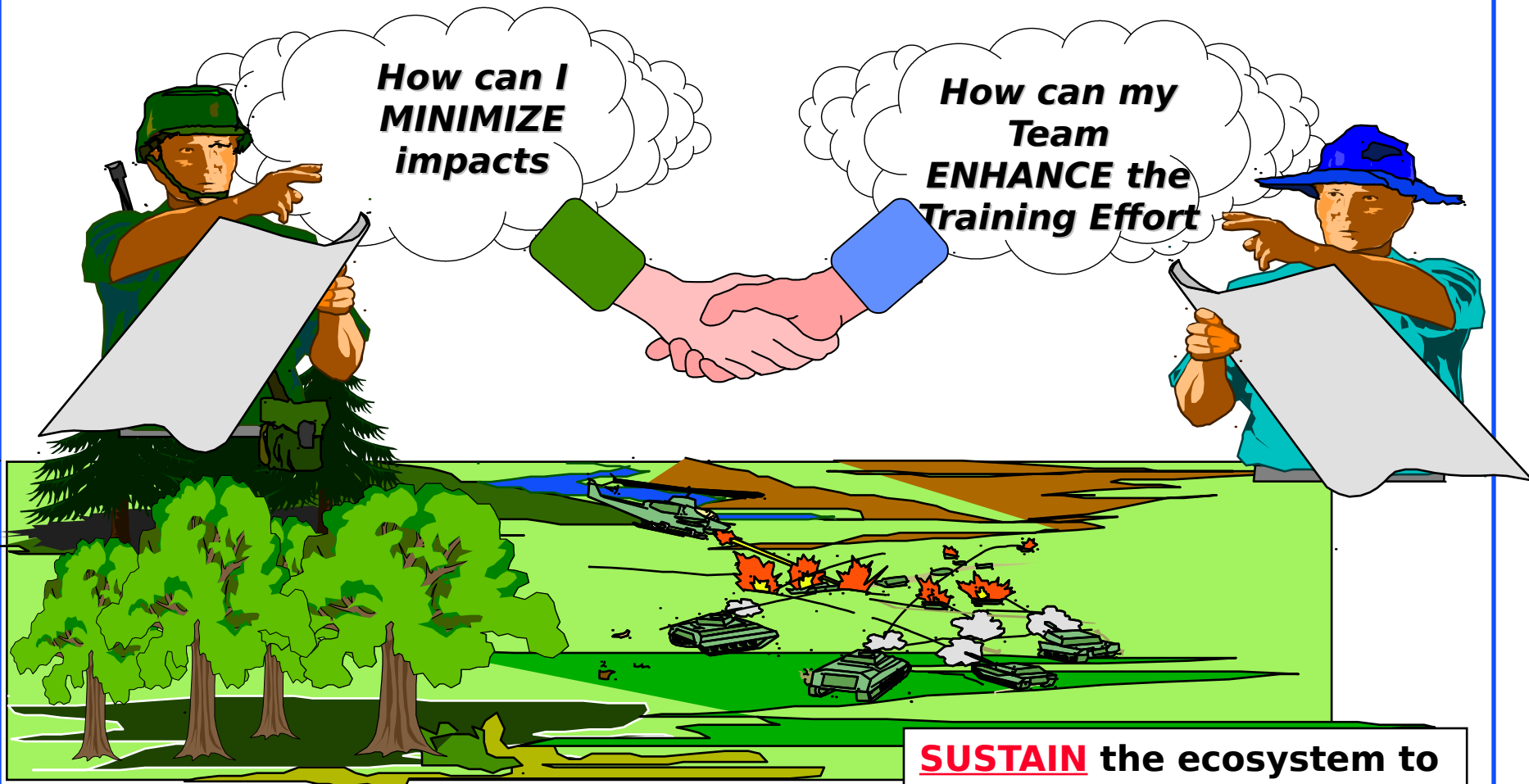
CHALLENGES

A DIFFERENT PERSPECTIVE.....



*How can I
MINIMIZE
impacts*

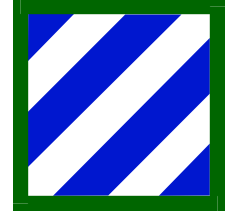
*How can my
Team
ENHANCE the
Training Effort*



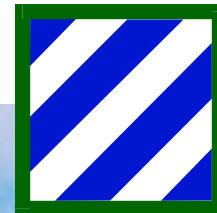
SUSTAIN the ecosystem to
support realistic **TRAINING**



Environmental and Training Staff Integration



- **Frequent interface**
- **Joint Working Groups for projects**
- **Comments on Printed Documents**
 - RTLP
 - Integrated Natural Resources Management Plan (INRMP)/Endangered Species Management Plan (ESMP)
 - National Environmental Policy Act (NEPA) Documentation Concerning Projects For Training
 - TES studies and documentation
 - Environmental Awareness Products and Briefings
 - Environmental Compliance Officer Classes
 - Command and Staff Briefings
 - Company Commanders and First Sergeants Course
 - Train on Fort Stewart CD



TSC/EMIC/FSGA